

Internation No
PCT/EP2004/012418

A. CLASSIF IPC 7	FICATION OF SUBJECT MATTER H05K13/02					
!						
	International Patent Classification (IPC) or to both national class	ssification and IPC				
	SEARCHED currentation searched (classification system followed by classi	ification symbols)				
IPC 7	H05K					
Documentati	ion searched other than minimum documentation to the extent t	that such documents are included in the fields se	arched			
Electronic da	ata base consulted during the International search (name of data	ta base and, where practical, search terms used				
EPO-In	ternal, WPI Data, PAJ					
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT					
Category °	Citation of document, with indication, where appropriate, of the	he relevant passages	Relevant to claim No.			
х	JP 11 307991 A (MEIWA KK) 5 November 1999 (1999-11-05)		1,5,13			
Α	abstract; figures 4,7,9		2,8,16			
А	US 2003/049109 A1 (YMAN) 13 March 2003 (2003-03-13)		1,2,5, 7-9, 12-18,20			
	paragraph '0028!; figure 2		12 10,10			
А	JP 2000 091790 A (YAMAHA MOTOR 31 March 2000 (2000-03-31) abstract; figures 2-4 	1,2,5,8, 13,16				
Furt	her documents are listed in the continuation of box C.	Patent family members are listed	n annex.			
'A' docume	alegories of cited documents: ent defining the general state of the art which is not	"T" later document published after the inte or priority date and not in conflict with cited to understand the principle or th	the application but			
considered to be of particular relevance "E" earlier document but published on or after the International filling date		"X" document of particular relevance; the o	invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to			
'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another		involve an inventive step when the do	involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention			
citatio	on or other special reason (as specified) ment referring to an oral disclosure, use, exhibition or means	cannot be considered to involve an in document is combined with one or m ments, such combination being obvio	ventive step when the ore other such docu-			
	ent published prior to the international filing date but han the priority date claimed		in the art. "&" document member of the same patent family			
Date of the	actual completion of the international search	Date of mailing of the international sea	rch report			
2	24 February 2005	07/03/2005				
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer				
	NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Bolder, G				

INT NATIONAL SEARCH REPORT

Information on patent family members

International Application No	
PCT/EP2004/012418	

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
JP 11307991	Α	05-11-1999	NONE		
US 2003049109	A1	13-03-2003	SE EP SE WO	521891 C2 1423997 A1 0103001 A 03024180 A1	16-12-2003 02-06-2004 08-03-2003 20-03-2003
JP 2000091790	Α	31-03-2000	NONE		